

Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

SCIENCE

A WEEKLY JOURNAL DEVOTED TO THE ADVANCEMENT OF SCIENCE, PUBLISHING THE OFFICIAL NOTICES AND PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

FRIDAY, FEBRUARY 24, 1905.

THE PROBLEM OF DEVELOPMENT.*

. CONTENTS:	
The Problem of Development: Professor Edmund B. Wilson	281
The American Paleontological Society—Section A—Vertebrata: O. P. Hay	294
The Association of American Geographers: PROFESSOR ALBERT P. BRIGHAM	300
Scientific Books:— Maurer's Technical Mechanics, Ziwet's Theoretical Mechanics and Stephan's Die technische Mechanik: Professor L. M. HOSKINS	302
Scientific Journals and Articles	307
Societies and Academies:— The New York Academy of Sciences, Section of Astronomy, Physics and Chemistry: DR. C. C. TROWBRIDGE. The Philosophical Society of Washington: CHARLES K. WEAD. Biological Society of Washington: E. L. MORRIS. The Onondaga Academy of Science: PROFESSOR J. E. KIRKWOOD	308
Discussion and Correspondence:— Consulting Experts in Libraries: Dr. J. DAVID THOMPSON. The Storage of Microscopic Slides: JOSEPHINE SHATZ	212
Special Articles:— Doppler's Principle and Light Beats: ALBERT B. PORTER. Note on the Broad White Fish: HENRY W. FOWLER	314
Recent Zoopaleontology: H. F. O	315
Scientific Notes and News	316
University and Educational News	320

THE selection of such a subject as the problem of development for a general address to this academy as a whole suggests a word of explanation. Within the privacy of our sectional meetings we are permitted to dig and delve as much as we please among the dry bones of specialization; but on this occasion a righteous tradition imposes upon the president the duty of laying aside his special tools in order to address the whole scientific body over which he has for a time had the honor to preside. In offering a brief general dis-

* Annual address of the president, New York

Academy of Sciences, December 19, 1904. critical reader will, I hope, be willing to bear in mind the conditions under which this address was delivered. My endeavor was to convey to a scientific body, composed only in part of biologists, some individual impressions of a student of embryology and cytology regarding the general bearings of recent researches in his special field. was not consistent with this purpose to give a critical résumé for biologists, nor could authorities be cited in detail. The general conception here developed will recall certain views contained in Driesch's 'Analytische Theorie der organischen Entwicklung,' published in 1894 (themselves traceable to earlier conclusions of de Vries), but afterwards rejected by him in favor of an explicit theory of vitalism. The rediscovery of Mendelian inheritance, the newly produced evidence, on the one hand, of morphological and physiological diversity among the chromosomes; on the other, of protoplasmic prelocalization in the egg, have, however, placed the whole problem in a new light. I wish to acknowledge my indebtedness to Professor Whitman's fine essays on the questions that center in Bonnet's doctrines, published in the 'Wood's Hole Biological Lectures,' for 1893, which suggested the quotation from Huxley.

MSS, intended for publication and books, etc. intended for review should be sent to the Editor of Science, Garrison-on-Hudson, N. Y.